

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/509,595

DATE: 03/14/2001
TIME: 20:43:31

INPUT SET: S36511.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

see
pp 2, 4

use upper case
letters for headings

Does Not Comply
Corrected Diskette Needed

GENERAL INFORMATION: SEQUENCE LISTING

(1) General Information

(i) APPLICANT:

~~(A) NAME: Max-Planck-Gesellschaft zur F'rdung der
Wissenschaften e.V.~~

~~(B) STREET: none~~

~~(C) CITY: Berlin~~

~~(D) STATE: none~~

~~(E) COUNTRY: Germany~~

~~(F) POSTAL CODE (ZIP): none~~

~~(A) NAME: National Public Health Institute~~

~~(B) STREET: Mannerheimintie 166~~

~~(C) CITY: Helsinki~~

~~(D) STATE: none~~

~~(E) COUNTRY: Finland~~

~~(F) POSTAL CODE (ZIP): 00300~~

(ii) TITLE OF INVENTION: Novel nucleic acid molecule encoding a
(poly)peptide co-segregating in mutated form with
Autoimmune Polyendocrinopathy Candidiasis Ectodermal
Dystrophy (APECED)

(iii) NUMBER OF SEQUENCES: 32

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

(v) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vi) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE:
(B) STREET:
(C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:

insert
these
mandatory
headings
and responses
for a U.S.
case

insert these
mandatory headings
for a U.S. case

ERRORED SEQUENCES FOLLOW:

807 (2) INFORMATION FOR SEQ ID NO: 14:

808

809

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 550 amino acids

(B) TYPE: amino acid

810

811

FYI: EPO format is
invalid for U.S.
cases

see pp. 4, then 2

delete
all this

delete

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812 (C) STRANDEDNESS: single
813 (D) TOPOLOGY: linear
814
815 (ii) MOLECULE TYPE: protein
816
817 (iii) HYPOTHETICAL: NO
818
819
820 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
821 Xaa Xaa Xaa Asp Xaa Xaa Leu Arg Arg Leu Leu Arg Leu His Arg Thr
822 1 5 10 15
823
824 Glu Ile Ala Val Ala Xaa Asp Ser Ala Phe Pro Leu Leu His Ala Leu
825 20 25 30
826
827 Ala Asp His Asp Val Val Pro Glu Asp Lys Phe Gln Glu Thr Leu Xaa
828 35 40 45
829
830 Leu Lys Glu Lys Glu Gly Cys Pro Gln Ala Phe His Ala Leu Leu Ser
831 50 55 60
832
833 Trp Leu Leu Thr Xaa Asp Ser Xaa Ala Ile Leu Asp Phe Trp Arg Xaa
834 65 70 75 80
835
836 Leu Phe Lys Asp Tyr Asn Leu Glu Arg Tyr Xaa Arg Leu Xaa Xaa Ile
837 85 90 95
838
839 Leu Asp Xaa Phe Pro Lys Asp Val Asp Leu Xaa Gln Xaa Arg Lys Gly
840 100 105 110
841
842 Arg Lys Pro Xaa Ala Xaa Pro Lys Ala Xaa Val Xaa Pro Pro Arg Xaa
843 115 120 125
844
845 Pro Thr Lys Arg Lys Ala Xaa Glu Glu Xaa Arg Ala Xaa Xaa Pro Ala
846 130 135 140
847
848 Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Ser Pro Gly Ser Xaa Leu Lys Xaa
849 145 150 155 160
850
851 Lys Pro Pro Lys Lys Pro Xaa Xaa Xaa Xaa Glu Xaa Gln Xaa Leu Pro
852 165 170 175
853
854 Leu Gly Asn Gly Ile Gln Thr Met Xaa Ala Ser Val Gln Arg Ala Val
855 180 185 190
856
857 Xaa Xaa Xaa Ser Gly Asp Val Pro Gly Xaa Arg Gly Ala Val Glu Gly
858 195 200 205
859
860 Ile Leu Ile Gln Gln Val Phe Glu Ser Gly Xaa Ser Lys Lys Cys Ile
861 210 215 220
862
863 Gln Val Gly Gly Glu Phe Tyr Thr Pro Xaa Lys Phe Glu Asp Xaa Ser
864 225 230 235 240

(ix) FEATURE:

→ (D) OTHER INFORMATION: ↑

move
response
here
from
p.4

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865	
866	Gly Xaa Xaa Lys Asn Lys Ala Arg Ser Xaa Ser Xaa Xaa Lys Pro Xaa
867	245 250 255
868	
869	
870	Val Arg Ala Lys Gly Ala Gln Xaa Xaa Xaa Pro Gly Xaa Xaa Glu Xaa
871	260 265 270
872	
873	Xaa Xaa Gly Gln Gln Xaa Xaa Val Pro Xaa Xaa Xaa Xaa Leu Pro Ser
874	275 280 285
875	
876	Xaa Pro Gln Xaa Xaa Gln Lys Asn Glu Asp Glu Cys Ala Val Cys Xaa
877	290 295 300
878	
879	Asp Gly Gly Glu Leu Ile Cys Cys Asp Gly Cys Pro Arg Ala Phe His
880	305 310 315 320
881	
882	Leu Ala Cys Leu Ser Pro Pro Leu Xaa Glu Ile Pro Ser Gly Xaa Trp
883	325 330 335
884	
885	Arg Cys Ser Xaa Cys Leu Gln Xaa Xaa Val Gln Xaa Xaa Xaa Xaa Xaa
886	340 345 350
887	
888	Xaa Glu Xaa Xaa Arg Pro Xaa Glu Xaa Pro Xaa Glu Thr Pro Xaa Xaa
889	355 360 365
890	
891	Xaa Gly Leu Arg Ser Ala Xaa Glu Xaa Xaa Arg Gly Pro Xaa Xaa Glu
892	370 375 380
893	
894	Xaa Xaa Ala Xaa Xaa Asp Xaa Xaa Xaa Xaa Tyr Xaa Xaa Leu Xaa Ala
895	385 390 395 400
896	
897	Pro Xaa Xaa Ala Ala Pro Leu Xaa Xaa Leu Xaa Xaa Ser Ala Leu Xaa
898	405 410 415
899	
900	Pro Leu Leu Xaa Xaa Gly Xaa Glu Gly Xaa Xaa Xaa Xaa Ala Pro Xaa
901	420 425 430
902	
903	Ala Arg Cys Xaa Val Cys Gly Asp Gly Thr Xaa Val Leu Arg Cys Xaa
904	435 440 445
905	
906	His Cys Ala Ala Ala Phe His Trp Arg Cys His Phe Pro Xaa Xaa Xaa
907	450 455 460
908	
909	Xaa Arg Pro Gly Thr Xaa Leu Arg Cys Xaa Ser Cys Ser Xaa Asp Xaa
910	465 470 475 480
911	
912	Thr Pro Xaa Pro Xaa Xaa Xaa Gly Xaa Xaa Xaa Pro Xaa Ser Xaa Xaa
913	485 490 495
914	
915	Arg Xaa Ala Pro Gly Xaa Ala Lys Xaa Xaa Asp Asp Xaa Ala Ser His
916	500 505 510
917	

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918 Xaa Pro Xaa Leu His Arg Asp Asp Leu Glu Ser Leu Leu Xaa Glu His
919 515 520 525
920
921 Xaa Phe Asp Gly Ile Leu Gln Trp Ala Ile Gln Ser Met Xaa Arg Pro
922 530 535 540
923
924 Xaa Ala Xaa Xaa Pro Xaa
925 545 550
926
--> 927 Xaa denotes any amino acid
928

*This goes in (ix) FEATURE: section**(see p. 2)*RECEIVED
MAR 16 2001
TECH CENTER 1600/2900

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/509,595DATE: 03/14/2001
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Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: Max-Planck-Gesellschaft zur F'rderung der
8	Unknown or Misplaced Identifier	(B) STREET: none
9	Unknown or Misplaced Identifier	(C) CITY: Berlin
10	Unknown or Misplaced Identifier	(D) STATE: none
11	Unknown or Misplaced Identifier	(E) COUNTRY: Germany
12	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): none
14	Unknown or Misplaced Identifier	(A) NAME: National Public Health Institute
15	Unknown or Misplaced Identifier	(B) STREET: Mannerheimintie 166
16	Unknown or Misplaced Identifier	(C) CITY: Helsinki
17	Unknown or Misplaced Identifier	(D) STATE: none
18	Unknown or Misplaced Identifier	(E) COUNTRY: Finland
19	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): 00300
810	Entered (550) and Calc. Seq. Length (551) differ	(A) LENGTH: 550 amino acids
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid

PAGE: 1

SEQUENCE MISSING ITEM REPORT
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ADDRESSEE
STREET
CITY
STATE
COUNTRY
ZIP
CORRESPONDENCE ADDRESS
APPLICATION NUMBER
FILING DATE
CLASSIFICATION
CURRENT APPLICATION DATA
APPLICATION NUMBER
FILING DATE
PRIOR APPLICATION DATA